

## M12 male 90° A-cod. with cable shielded

PUR 5x0.34 shielded gy 45m

Male 90° M12, 5-pole shielded A-coded

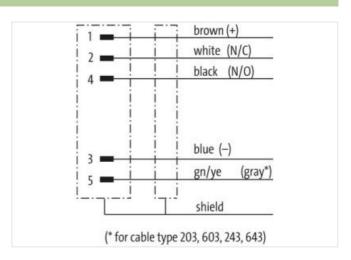
Plastic housings with good resistance against chemicals and oils.

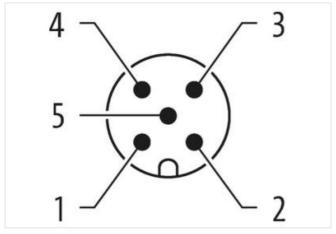
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

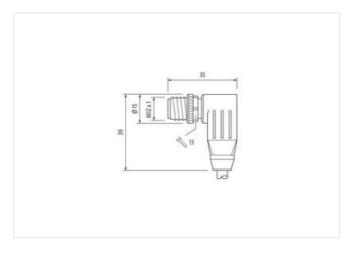
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

45 m

Side 1

Tightening torque

0,6 Nm



stay connected

| Mounting method                          | inserted, screwed  |
|--|--|
| Coating contact                          | gold plated  |
| Family construction form                 | M12  |
| Thread                                   | M12 x 1  |
| Coding                                   | A  |
| Material contact                         | Copper alloy   |
| Material                                 | PUR  |
| Width across flats                       | SW13   |
| Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67  |
| Side 2                                   |  |
| Coating contact                          | gold plated  |
| Commercial data                          |  |
| ECLASS-6.0                               | 27279218   |
| ECLASS-7.0                               | 27279218   |
| ECLASS-8.0                               | 27279218   |
| ECLASS-9.0                               | 27060311   |
| ECLASS-10.1                              | 27060311   |
| ECLASS-11.1                              | 27060311   |
| ECLASS-12.0                              | 27060311   |
| ETIM-5.0                                 | EC001855   |
| customs tariff number                    | 85444290   |
| GTIN                                     | 4048879550185  |
| Packaging unit                           | 1  |
| Electrical data   Supply                 |  |
| Operating voltage AC max.                | 60 V   |
| Operating voltage DC max.                | 60 V   |
| Current operating per contact max.       | 4 A  |
| Installation   Connection                |  |
| Mounting set                             | M12 x 1  |
| Device protection   Electrical           |  |
| Additional condition protection degree   | inserted, screwed  |
| Pollution Degree                         | 3  |
| Rated surge voltage                      | 1,5 kV   |
| Material group (IEC 60664-1)             | I  |
| Mechanical data   Material data          |  |
| Coating locking                          | Nickeled   |
| Coating of fitting                       | nickel plated  |
| Locking material                         | Zinc die-casting   |
| Material screw connection                | Zinc die-casting   |
| Mechanical data   Mounting data          |  |
| Mounting method                          | inserted, screwed, Shaking protection  |
| Environmental characteristics   Climatic |  |
| Operating temperature min.               | -25 °C   |
| Operating temperature max.               | 85 °C  |
| Additional condition temperature range   | depending on cable quality   |
|  |  |
| Important installation notes             | District the consideration with the many control of the control of |
| Note on strain relief                    | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  |
| Note on bending radius                   | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  |
| Conformity                               |  |
| Product standard                         | DIN EN 61076-2-101 (M12)   |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-03



## stay connected

| Installation   Cable  |  |
|---|--|
| Cable identification  | 349  |
| Jacket Color  | gray   |
| Amount stranding  | 1  |
| Stranding   | 5 wires around Core filler twisted   |
| Cable shielding (type)  | copper braid, tinned   |
| Cable shielding (coverage)  | 85 %   |
| Banding   | Fleece, Foil   |
| Filler  | yes  |
| wire arrangement  | brown, black, blue, white, green-yellow  |
| Traversing distance (C-track)   | 5 m @ 25 °C  |
| Cable weigth  | 59,4 g/m   |
| Material jacket   | PUR  |
| Shore hardness jacket   | 85 ± 5 Shore A   |
| Freedom from ingredients (jacket)   | lead-free, cadmium-free, CFC-free, halogen-free  |
| Outer-diameter (jacket)   | 5,9 mm   |
| Tolerance outer diameter (sheath)   | ± 5 %  |
| Material inner jacket   | PVC  |
| Color (inner jacket)  | gray   |
| Material wire insulation  | PVC  |
| Amount wires  | 5  |
| Outer diameter insulation   | 1,45 mm  |
| Outer diameter tolerance core insulation  | ±5%  |
| Shore hardness wire insulation  | 85 ± 5 Shore A   |
| Material properties wire insulation   | good machinability   |
| Ingredient freeness wire insulation   | lead-free, cadmium-free, CFC-free, silicone-free   |
| Amount strands (wire)   | 42   |
| Diameter of single wires  | 0,1 mm   |
| Conductor crosssection (wire)   | 0,34 mm <sup>2</sup>   |
| Material conductor wire   | Stranded copper wire, bare   |
| Conductor type (wire)   | strand class 6   |
| Max. rated voltage (conductor - conductor)  | 350 V  |
| Max. rated voltage (conductor - ground)   | 300 V  |
| Current load capacity (standard)  | to DIN VDE 0298-4  |
| Current load capacity min. wire   | 4,5 A  |
| Electrical resistance line constant wire  | 57 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)  | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire -   | 2 kV @ 60 s  |
| jacket)   | -  |
| AC withstand voltage (wire - shield)  | 1,5 kV @ 60 s  |
| • •   | 1,5 kV @ 60 s<br>-40 °C  |
| AC withstand voltage (wire - shield)  |  |
| AC withstand voltage (wire - shield) Min. operating temperature (static)  | -40 °C   |
| AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)   | -40 °C<br>80 °C  |
| AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)  | -40 °C<br>80 °C<br>-5 °C   |
| AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)   | -40 °C<br>80 °C<br>-5 °C<br>70 °C  |
| AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance  | -40 °C<br>80 °C<br>-5 °C<br>70 °C<br>IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2   |
| AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance                              | -40 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  |
| AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance                | -40 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing   |
| AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance | -40 °C  80 °C  -5 °C  70 °C  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Good, application-related testing  Good, application-related testing  DIN EN 60811-404   Good, application-related testing |